



IA-KP SERIES

1000VDC SINGLE AND DUAL OUTPUT 3WATT 24PIN DIL DC-DC CONVERTER

FEATURES

- UP TO 3WATTS OUTPUT POWER
- 24PIN DIL PACKAGE
- 1000VDC ISOLATION
- REGULATED OUTPUT TYPES
- LOW RIPPLE AND NOISE

GENERAL SPECIFICATIONS

- OUTPUT RIPPLE & NOISE : 50mVp-p(20MHz B.W.)
- ISOLATION RESISTANCE : 100MΩ MIN.
- SWITCHING FREQUENCY : 125KHz TYP.
- OPERATING TEMPERATURE : 0°C TO 70°C
- STORAGE TEMPERATURE RANGE : -40°C TO 125°C
- SHORT CIRCUIT PROTECTION : CONTINUOUS
- SHORT CIRCUIT RESTART : AUTOMATIC

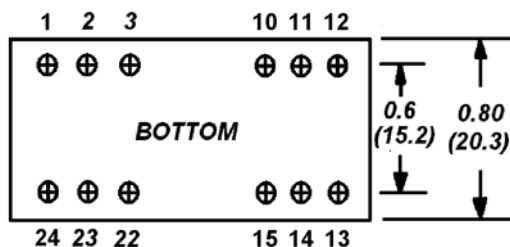
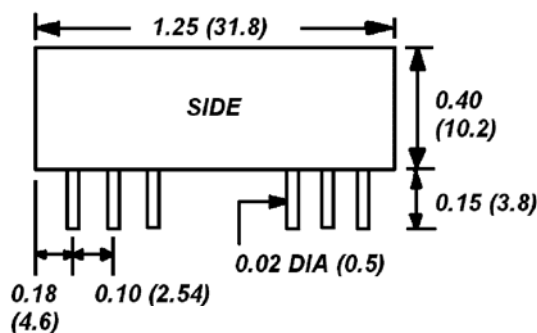
ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE RANGE : ±10%
- OUTPUT VOLTAGE TOLERANCE : ±5%
- LINE REGULATION (REGULATED) : ±0.3%
- LOAD REGULATION (REGULATED) : ±0.5%
- EFFICIENCY (REGULATED) : 60% TYP

(Typical at nominal input , rated load and 25°C unless otherwise specified)

PART NO.	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	PART NO.	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT
IB0505KP-3W	5VDC	5VDC	600mA	IB2415KP-3W	24	15VDC	200mA
IB0512KP-3W	5VDC	12VDC	250mA	IA2412KP-3W	24	±12VDC	±125mA
IB0515KP-3W	5VDC	15VDC	200mA	IA2415KP-3W	24	±15VDC	±100mA
IA0512KP-3W	5VDC	±12VDC	±125mA	IB2805KP-3W	28	5VDC	600mA
IA0515KP-3W	5VDC	±15VDC	±100mA	IB2812KP-3W	28	12VDC	250mA
IB1205KP-3W	12VDC	5VDC	600mA	IB2815KP-3W	28	15VDC	200mA
IB1212KP-3W	12VDC	15VDC	250mA	IA2812KP-3W	28	±12VDC	±125mA
IB1215KP-3W	12VDC	15VDC	200mA	IA2815KP-3W	28	±15VDC	±100mA
IA1212KP-3W	12VDC	±12VDC	±125mA	IB4805KP-3W	48	5VDC	600mA
IA1215KP-3W	12VDC	±15VDC	±100mA	IB4812KP-3W	48	12VDC	250mA
IB2405KP-3W	24VDC	5VDC	600mA	IB4815KP-3W	48	15VDC	200mA
IB2412KP-3W	24VDC	12VDC	250mA	IA4812KP-3W	48	±12VDC	±125mA

MARKINGS AND DIMENSIONS



PIN CONNECTION

PIN	SINGLE OUTPUT	DUAL OUTPUT
1,24	+INPUT	+INPUT
2,23	NC	-OUTPUT
10,15	-OUTPUT	COMMON
11,14	+OUTPUT	+OUTPUT
3,22	NC	COMMON
12,13	-INPUT	-INPUT